Four unique elements

AURICAL FreeFit gives you four unique elements within Probe Microphone Measurements (PMM) – Dynamic REM, Speech Mapping, FitAssist tools and FreeStyle. By combining these, you'll be able to **FIT** with true precision the first time, **SHOW** the real difference between different hearing aids, and **WORK** with newfound freedom and efficiency.

AURICAL FreeFit

Technical Data	
Bluetooth:	Version 2.0, Class 2 (10m/33 ft)
Frequency Resolution:	1/24 Octave or 1/3 Octave, in 4 channels
Dynamic Range:	> 80 dB
Calibration Data:	Stored electronically inside the probe
Intensity Accuracy:	± 3 dB
Measurement Intensity Range:	Probe Microphone 40-130 dB SPL
Probe Microphone:	Intensity: 40 – 130 dB
Reference Microphone:	Intensity: 40 – 110 dB
Battery Type:	One rechargeable battery* Ni-MH, AA (R6) 1.2V. Can also be used with Alkaline AA (R6) 1.2V
Battery lifetime:	5 hours of continuous use
Probe Microphone Measurements module	
Stimuli:	Pink Noise, White Noise, Speech ANSI, ISTS, ICRA, Rainbow Passage, Tone Sweep, FreeStyle sound library with favorites list, live, recorded signals, recordings, CD material (wav, mp3)
Tests Available:	REUR, REUG, REOR, REOG, REAR, REAG, REIG, Noise Reduction, Customizable User-Tests. Dynamic REM, FreeStyle.
Counseling and Simulations module	
Functions:	Hearing Loss Simulator, Hearing Instrument Simulator, Speech Mapping, Predicted Aided Audiogram
Stimuli:	Sound library, live, recorded signals, CD material (wav, mp3)

Integrated AURICAL configuration

AURICAL Speaker (optional)	
Dimensions:	Approx. 375 x 285 x 145 mm (14.8 x 11.2 x 5.7 inches) , 1.5 kg (3.3 lb)
Output:	RCA phone optimized for 8 Ω speaker
AURICAL Aud Power supply	
MeanWell MES50A-6P1J, 50W:	Output: 24 V, 2.08 A - Input: 90-264 V, 47-63 Hz
Power consumption:	< 60 VA
Built-in HI-PRO (optional)	
Hearing instrument connection:	2 x 6 pole mini-DIN sockets
Safety:	EN 60601-1, Class 1, Type BF and UL 544
EMC:	EN 60601-1-2; EN 300 328-2; EN 301 489-17
Accessories:	Test software. See the AURICAL Aud Service Manual

Charger stand configuration

Inductive Charger unit	
Nominal Input voltage:	9 V DC
Max Power Consumption:	300 mA (at 9 V input voltage while charging)
Power Supply**:	
Input voltage range:	100-240 V AC, 50-60 Hz
Output voltage range:	9 V DC

General

Transport and storage	
Temperature:	-30°C to +60°C (-22°F to 140°F)
Air humidity:	10% to 90%, non-condensing
Air pressure:	500 hPa to 1060 hPa
Operating environment	
Mode of operation:	Continuous
Temperature:	+15°C to +35°C (59°F to 95°F)
Air humidity:	30% to 90%, non-condensing
Air pressure:	980 hPa to 1040 hPa.
System requirements	
1.5 GHz processor or higher (2 GHz recommended) • 512 MB RAM (1 GB recommended) for Windows XP, or 1 GB (1.5 GB recommended) for Windows Vista and Windows 7 • 2.5 GB free disk space for installation of the OTOsuite software. Additional disk space is needed for installation of prerequisites • Windows® XP (32 bit) with SP3 or higher, or Windows Vista (32 bit) with SP2, or Windows 7 (32 or 64 bit) • USB port for connecting accessories, v. 1.1, or 2.0 • DVD or CD-ROM drive • 32 bit color display, 1024x768 screen resolution • 32 MB graphic memory • Windows-compatible sound card • Supports NOAH 3.5, NOAH 3.5 for ENTs, or higher, for NOAH mode operation • Speaker system must be powered, and accept line input (2.9 Vpp at full volume) • Minimum available output level from powered speaker, 200-8000Hz: 85 dBSPL (1 meter distance, pure tone, maximum 2% distortion)** • Note: If you are going to use speech material supplied by GN Otometrics**, check the Speech Material Installation CD to make sure that your PC has the additional disk space required.	
Standards	
Real Ear Measurement:	EN 61669, ISO 12124
Client Safety:	EN 60601-1, UL 2601-1, CAN/CSA –C22.2, NO 601.1-90
Type BF, IPX0	AURICAL FreeFit: EN 60601-1, Internal Powered,
EMC:	EN 60601-1-2, EN 300 328-2, EN 301 489-17

**) Use only rechargeable batteries supplied by GN Otometrics A/S. **) Any IEC/UL 60601 or IEC/UL 60950 certified power adaptor supplying 9 V DC, min. 300 mA and with a maximum available output of 15 W can be used. **) When used on chargerstand.*

GN Otometrics, Europe. +45 45 75 55 55. info@gnotometrics.dk
GN Otometrics, North America. 1-800-289-2150. sales@gnotometrics.com
www.otometrics.com

otometrics

Specifications are subject to change without notice. Copyright © GN Otometrics. 2012/02. 7-26-9920-EN/05. Part no. 7-26-99200-EN.

AURICAL FreeFit

The future of fitting

AURICAL

otometrics

The Probe Microphone Measurement unit

Wireless and binaural

Wireless design: It's both easy to fit for you and comfortable for the client to wear.

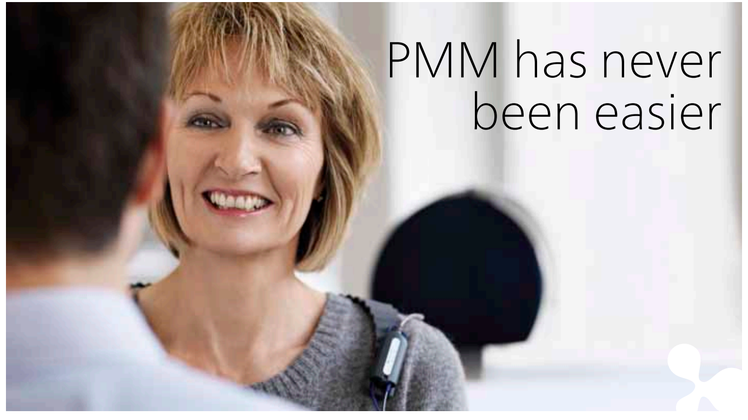
Userfriendly probe: The integrated rulers make it simple to insert the probe tube correctly.

There's no such thing as an average ear
When you program a new hearing instrument, chances are you're fitting to an average ear and not to your client's own ear. We think there is a better approach. In 1984 the Otometrics company Rastronics introduced the world's first Probe Microphone system. It's the original term for what we call REM today only much broader, encompassing virtually any measurement taken in the ear using a probe microphone including REM, Speech Mapping and much more.

Probe Microphone Measurements are often thought to be difficult, time-consuming, or appropriate only for especially challenging cases. With FreeFit, this isn't the case at all. It is designed so that you don't have to change the way you work significantly – that's why FreeFit enables you to work with PMM every day and on every client in your clinic. The FreeFit consists of four unique elements in a single, ease-to-use device: Dynamic REM, Speech Mapping, FitAssist and the FreeStyle mode.

THE FACTS

- Wireless
- Binaural
- Configurable user tests and sequencing
- FreeStyle with Feature-2-Benefit mode
- FitAssist (Feedback Finder and Occluded Probe-Tube Detector, OnTop mode)
- Real Speech stimuli including ISTS
- Dynamic Fitting using Percentile Analysis
- Chirp and OpenREM calibration
- ABR/ASSR data conversion
- Listen at the Eardrum
- Extensive sound library
- Dedicated noise reduction testing
- Optional long probes for pediatric use



PMM has never been easier

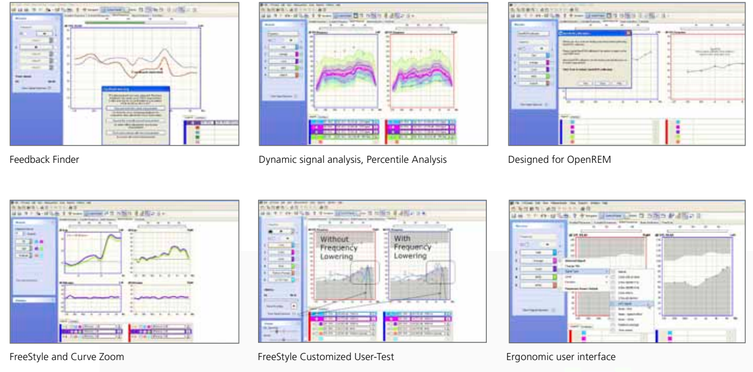
FIT with true precision the first time
The FreeFit PMM increases client satisfaction because you can verify fittings – with or without prescriptive targets. The Dynamic REM element and the FitAssist tools, enable you to achieve a more accurate, confident fit at the first visit. The Dynamic REM module lets you combine traditional REM functionality with speech and dynamic stimuli, so you can verify your fittings against NAL NL 1, NAL NL2, DSL v4.2, DSL v5.0b, and FIG6 fitting prescriptions. The module uses modern speech signals such as ISTS and real speech passages to achieve more "real world" fittings and verifications. The FitAssist tools includes the Occluded Probe-Tube Detector that protects you from making measurements under poor conditions alerting you when a tube is pinched. And the Feedback Finder ensures accuracy by alerting you to potentially undetected feedback that can contaminate your measurement. The FreeFit lets you fit with confidence – and makes your clients feel confident in you.

SHOW the real difference between different hearing aids
FreeFit includes convincing tools such as the "Feature-2-Benefit" view mode that help you clearly demonstrate the real benefits of hearing instruments such as noise reduction, directionality and a range of other hearing instrument features – and how they affect your clients' hearing. And you can quickly define new protocols to evaluate new hearing aid features as they reach the market. For a more accurate triggering and demonstration of features, a "Live" mode lets you measure using sound files played by the hearing instrument software. Another unique feature is the ability to monitor, record and play back the signal at the eardrum, enabling you to hear what your client hears for improved troubleshooting and hearing aid feature understanding.

WORK with newfound freedom and efficiency
Being the only wireless Probe Microphone Measurements solution, it adds unprecedented flexibility and freedom to PMM. User tests and pre-defined measurement sequences make it fast and easy to use. FreeFit's advanced user setup lets you work the way you like, and is easily adapted to local standards and protocols. And it takes OpenREM a step further by providing calibration for all signal types, not just constant level input. Add in binaural measurements, and you get a far more efficient and comfortable fitting session. The FreeFit improve your workflow, enabling you to deliver more without adding significant time to the process.

Use the FreeFit independently, or combine it with the Audiometer and/or the HIT box.

See the videos about the FreeFit at www.futurefitting.com



Feedback Finder | Dynamic signal analysis, Percentile Analysis | Designed for OpenREM

FreeStyle and Curve Zoom | FreeStyle Customized User-Test | Ergonomic user interface

The AURICAL Family
Fully integrated with OTOsuite

The OTOsuite software integrates all the elements of the new AURICAL. It's intuitive, easy to learn and easy to use. It supports the entire client journey, from diagnostics and counseling, to fitting and verification. Simple to use user test functionality ensures configurable, consistent and smooth workflows that can be customized to suit individual needs. And you work in a single software environment across modules. The result is a better fitting experience – for you and for your client.

Check out the eLearning course at our Knowledge Center www.otometrics.com/knowledge